

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2605	(427/314,316,322).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/08 07:31
S2	1140	(427/398,427.4,374.1).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/06 14:40
S3	131990	S2 and (\$6carbon and ester)(polyolefin)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/06 15:05
S4	131824	427/314,316,322 and (\$6carbon and ester)(polyolefin)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/06 14:35
S5	131824	427/314,316,322 and (ester)(polyolefin)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/06 14:36
S6	131824	S4 and (heat\$4 adj4 cool\$4) and (ester)(polyolefin)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/06 15:04
S7	131824	S4 and (heat\$4 adj4 cool\$4) same (ester)(polyolefin)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/06 14:38
S8	170	S2 and ((suppress\$4)(repel\$4)or(moldedobject)or(polyolefin))	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/06 14:43
S9	0	("2005/0058779").URPN.	USPAT	OR	ON	2007/06/06 14:52
S10	131824	S4 and ((heat\$4 adj4 cool\$4) and (ester)(polyolefin))	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/06 15:04
S11	17	S3 and ((temporarily suppress\$4) same (repel\$5) same(molded object))	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/06 15:20
S12	1	S3 and ((temporarily suppress\$4) with (repel\$5) with (molded object) with (heat\$3) with (cool\$3))	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/06 15:23
S13	1	((temporarily suppress\$4) with (repel\$5) with (molded object) with (heat\$3) with (cool\$3) with (hydrocarbon adj3 ester) with(extruded object))	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/06 15:30
S14	1	((temporarily suppress\$4) with (repel\$5) with (molded object) with (heat\$3) with (cool\$3) with (hydrocarbon adj3 ester))	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/06 15:30

## EAST Search History

S15	1	(temporarily suppress\$4) with (repel\$5) with (molded object) with (heat\$3) with (cool\$3) with (hydrocarbon adj3 ester)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/06 15:42
S16	1	(temporarily suppress\$4) with (repel\$5) with (molded object) with (heat\$3) with (cool\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/06 15:43
S17	1	(temporarily suppress\$4) with (repel\$5) with (molded object) same (heat\$3) with (cool\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/06 15:45
S18	1	(temporarily suppress\$4) with (repel\$5) with (\$5carbon) same (heat\$3) with (cool\$3) same (polyolefin adj polymer)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/06 15:47
S19	61	((surface modify\$4) same (polyolefin polymer) same (\$6carbon adj ester))	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/07 08:13
S20	2	("2803615").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/07 08:14
S21	2	("3425969").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/07 08:20
S22	1	("4818587").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/07 08:24
S23	2	("3005795").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/07 08:28
S24	1	("4251200").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/07 08:29
S25	2	("3679541").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/07 08:34
S26	0	("2-26919.ipc").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/07 08:35
S27	0	("(226919).ipc").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/07 08:36
S28	2	("0026997").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/07 08:38
S29	237	Qui.in.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/07 08:39

## EAST Search History

S30	1061	Qiu.in.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/07 08:40
S31	5	2003/0026997	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/07 08:52
S32	1	2002/0155771	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/07 08:54
S33	5	2003/0001130	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/07 09:32
S34	297	("20020155771" "20030001130" "20030026997" "3646153" "3955027" "5178931" "5178932" "5459188" "5798402" "5898046" "6207088" "6479605").PN	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/07 11:57
S35	0	("("20020155771" "20030001130" "20030026997" "3646153" "3955027" "5178931" "5178932" "5459188" "5798402" "5898046" "6207088" "6479605").PN").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/07 09:33
S36	13	("20020155771" "20030001130" "20030026997" "3646153" "3955027" "5178931" "5178932" "5459188" "5798402" "5898046" "6207088" "6479605").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/07 09:34
S37	8	"6063474"	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/07 11:57
S38	10	("3716401"   "4029585"   "4401780"   "4426476"   "5145727"   "5149576"   "5178931"   "5178932"   "5459188").PN. OR ("6063474").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/07 13:18
S39	12	("2642416"   "3054695"   "3102103"   "3504016"   "3527742"   "3660360").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/07 14:08
S40	50	("2642416").URPN.	USPAT	OR	ON	2007/06/07 14:20
S41	1	("6063474").URPN.	USPAT	OR	ON	2007/06/07 14:22
S42	0	((temporarily near supress\$4) adj (repel\$4) same (heat\$3) with (cool))	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 07:36
S43	0	((temporarily near supress\$4) adj (repel\$4) same (heat\$3 cool))	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 07:36

## EAST Search History

S44	0	((temporarily near supress\$4) adj (repel\$4)) same (heat\$3 cool)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 07:37
S45	0	((temporarily near supress\$4) adj (repel\$4))	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 07:37
S46	0	(temporarily near supress\$4) adj (repel\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 07:38
S47	1	(temporarily near supress\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 07:38
S48	0	(temporarily near supress\$4 near repellency)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 07:39
S49	0	(temporarily near supress\$4 adj repellency)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 07:39
S50	430374	(temporarily supress\$4 adj repellency)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 07:40
S51	4841	S50 with heating	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 07:40
S52	524	S51 with cooling	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 07:44
S53	19213	S50 with (extruded molded object)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 07:42
S54	76	S53 with (polyolefin polymer)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 07:51
S55	54	S53 with (\$5carbon ester)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 08:12
S56	602	(427/374.1).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/08 07:55
S57	1434	((427/374.1) or (524/543,562)). CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/08 07:57
S58	0	S57 with (hydrocarbon ester)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 07:58

## EAST Search History

S59	0	S57 with (temporarily suppress\$4 adj repellency with heating)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 08:00
S60	0	S57 with (temporarily suppress\$4 adj repellency)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 08:00
S61	0	S57 same (temporarily suppress\$4 adj repellency)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 08:01
S62	39	S57 and (temporarily suppress\$4 adj repellency)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 08:01
S63	137	(polyolefin adj3 polymer) and (hydrocarbon near ester)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 08:16
S64	1	(polyolefin adj3 polymer) and (hydrocarbon near ester) with (heating)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 08:17
S65	1	(polyolefin adj3 polymer) and (hydrocarbon near ester) with (heating) with (temporarily suppressing near repel\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 08:19
S66	75777	(extrud\$4 or mold\$4) same (polyolefin hydrocarbon fluorocarbon ester)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 08:22
S67	21186	S66 same (heat cool repel)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 08:26
S68	23224	S66 same (heat cool suppress\$5 repel hold\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 08:25
S69	5347	S67 same (fiber fabric nonwoven)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 08:43
S70	145	S69 same(printing)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 08:37
S71	115	S69 same(ink)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 08:37
S72	14593	S67 same (fiber fabric nonwoven sheets films molded)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 08:43
S73	1	("4007305").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/08 09:17

## EAST Search History

S74	1	("3716401").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/08 09:19
S75	1	("4029585").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/08 09:21
S76	5	((("4401780") or ("4426476") or ("5145727") or ("5149576") or ("5459188")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/08 10:01
S77	0	("suppresionrepellencypolyolefins"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/08 10:01
S78	0	(suppresion near repellency) same polyolefins	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 10:02
S79	0	(suppresion adj repellency) with polyolefins	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 10:02
S80	0	(suppresion adj3 repellency) same polyolefins	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 10:03
S81	0	(suppresion adj3 repellency) same (polyolefin)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 10:03
S82	1	(suppression adj3 repellency) same (polyolefin)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 10:04
S83	1	"20050058779"	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 10:05
S84	16	"5898046"	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 10:12
S85	43	("2803615"   "2803656"   "2841573"   "3758447"   "3899563"   "3971373"   "4100324"   "4302366"   "4375718"   "4429001"   "4588537"   "4592815"   "4619976"   "4843134"   "5025052"   "5143963"   "5145727"   "5147938"   "5149576"   "5292796"   "5300357"   "5300587"   "5314959"   "5336717"   "5380778"   "5411576"   "5451622"   "5453540"   "5459188"   "5496507"   "5508330"   "5536157"   "5681963"   "5705592"   "5898046"   "5908598"   "5998549"   "Re30782"   "Re31285").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 10:25

## EAST Search History

S86	16	("5681963").URPN.	USPAT	OR	ON	2007/06/08 10:34
-----	----	-------------------	-------	----	----	------------------

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	871	(427/427.1,427.3,286).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/17 13:05
S2	549	S1 and (substrate or nozzle or jet or gun)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/11 13:08
S3	591	S1 and (substrate or nozzle or jet or gun or print\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/11 13:09
S4	299	S3 and non perpendicular,angled, oriented	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/17 07:55
S5	310258	substrate,nozzle,valve,gun, jet	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/11 13:17
S9	2904184	(substrate or nozzle or jet or valve or print\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/11 15:24
S13	0	(substrate or nozzle or jet or valve or print\$3)same(viscous,spray)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/11 15:23
S14	196816	(substrate or nozzle or jet or valve or print\$3)same(viscous or spray)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/11 15:23
S15	196816	S9 same S14	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/11 15:24
S16	2128	(427/427.1,427.3,286,256).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/11 15:26
S17	5409	(427/427.1,427.3,286,256,421.1, 422,424,425,426).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/11 15:28
S18	0	("17and(nonperpendicularorangled obliqueordiagonal)same(substrate or nozzleorjetorsprayorjettingvalve)"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/11 15:31
S19	223	S17 and (nonperpendicular or angled or oblique or diagonal) same (substrate or nozzle or jet or spray)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/11 15:33
S20	1105	(118/300).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/12 07:48



## EAST Search History

S21	0	S20 and (jetting adj valve)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/12 07:49
S22	0	S20 and (nozzle, valve, sprayer)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/12 07:51
S23	1	S20 and (nozzle adj valve and sprayer)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/12 07:52
S24	3922	(427/209,210,231,233,265,425,424, 427.1,427.2).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/12 07:54
S25	95	S20 and S24	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/12 09:04
S26	849	S20 and (sprayer dispenser nozzle jet gun valve)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/12 09:58
S27	269	S26 and (viscous solder epoxies encapsulants paste silicone)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/12 10:00
S28	52	S27 and (nonperpendicular oblique angled diagonal)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/12 10:01
S29	1782427	(sprayer dispenser nozzle jet gun valve droplet)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/12 09:59
S30	271921	S29 and (viscous solder epoxies encapsulants paste silicone)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/12 10:00
S31	24865	S30 and (nonperpendicular oblique angled diagonal)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/12 10:02
S32	1156	S30 and (nonperpendicular oblique angled diagonal non-perpendicular) with substrate	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/12 10:03
S33	1136	S31 and (nonperpendicular oblique angled diagonal non-perpendicular) with substrate	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/12 10:04
S34	1136	S33 and (nonperpendicular oblique angled diagonal non-perpendicular) same substrate	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/12 10:14
S35	138	S33 and (nonperpendicular oblique angled diagonal non-perpendicular) same coating	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/12 10:14
S36	0	("2005/0095367").URPN.	USPAT	OR	ON	2007/04/12 10:28

## EAST Search History

S37	3922	(427/209,210,231,233,265,424,425, 427.1,427.2).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/12 10:29
S38	2782	S37 and (coating jetting spraying dispensing)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/12 10:32
S39	16	S38 and (viscous adj material) and (encapsulants potting paste silicones)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/12 12:05
S40	1	("5320250").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/12 11:37
S41	1	("4967933").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/12 11:40
S42	1	("5052338").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/12 11:40
S43	0	S38 and (viscous adj material) and (encapsulants potting paste silicones) same (noncontacting nonperpendicular oblique angled)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/12 12:08
S44	190	S38 and (noncontacting nonperpendicular oblique angled)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/12 12:08
S45	0	("17and(nonperpendicularorangledo robliqueordagonal)same(substrateo rnozzleorjetorsprayorjettingvalve)"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/13 08:10
S46	30726	"17" and (nonperpendicular or angled or oblique or diagonal) same (substrate or nozzle or jet or spray or (jetting near3 valve))	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/13 08:12
S47	30726	"17" and ((nonperpendicular or angled or oblique or diagonal) same (substrate or nozzle or jet or spray or (jetting near3 valve)))	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/13 08:13
S48	51	coat\$3 and (viscous near3 material) and (substrate) and ((nonperpendicular or angled or oblique or diagonal) same (nozzle or jet or spray or (jetting near3 valve)))	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/13 08:15
S49	331	coat\$3 and (viscous near3 material) and (substrate) and ((nonperpendicular or angled or oblique or diagonal) and (nozzle or jet or spray or (jetting near3 valve)))	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/13 08:15

## EAST Search History

S50	34	coat\$3 and (viscous near3 material) and (substrate) and ((nonperpendicular or angled or oblique or diagonal) with (nozzle or jet or spray or (jetting near3 valve)))	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/13 08:16
S51	2272	coat\$3 and (viscous near3 material) and (substrate) and ((nonperpendicular or angled or oblique or diagonal) or (nozzle or jet or spray or (jetting near3 valve)))	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/13 08:16
S52	331	coat\$3 and (viscous near3 material) and (substrate) and ((nonperpendicular or angled or oblique or diagonal) and (nozzle or jet or spray or (jetting near3 valve)))	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/13 12:39
S53	51	coat\$3 and (viscous near3 material) and substrate and ((nonperpendicular or angled or oblique or diagonal) same (nozzle or jet or spray or (jetting near3 valve)))	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/13 11:06
S54	4552	coat\$3 and (viscous near3 material) and substrate	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/13 08:20
S55	75	coat\$3 and (viscous near3 material) and substrate and ((nonperpendicular or angled or oblique or diagonal or inclined or leaning or slop\$3) same (nozzle or atomizer or jet or spray or (jetting near3 valve)))	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/13 08:38
S56	667	coat\$3 and (viscous near3 material) and substrate and ((nonperpendicular or angled or oblique or diagonal or inclined or leaning or slop\$3) and (nozzle or atomizer or jet or spray or (jetting near3 valve)))	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/13 08:26
S57	4552	coat\$3 and (viscous near3 material) and substrate	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/13 08:26
S58	1078	S57 AND (nonperpendicular or angled or oblique or diagonal or inclined or leaning or slop\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/13 08:26
S59	2121	S57 AND (nozzle or atomizer or jet or spray or (jetting near3 valve))	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/13 08:27

## EAST Search History

S60	667	S58 AND (nozzle or atomizer or jet or spray or (jetting near3 valve))	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/13 08:27
S61	0	("2005/0095367").URPN.	USPAT	OR	ON	2007/04/13 10:34
S62	2	("3199789").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/13 10:35
S63	1	("4059708").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/13 12:15
S64	1	("4301189").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/13 12:19
S65	2048	(118/321,323).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/13 12:21
S66	6	S65 and (viscous near3 material) and substrate and ((nonperpendicular or angled or oblique or diagonal or inclined or leaning or slop\$3) same (nozzle or atomizer or jet or spray or (jetting near3 valve)))	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/13 12:22
S67	2	("6261367").URPN.	USPAT	OR	ON	2007/04/13 12:35
S68	12	("3858812"   "4337281"   "4346849"   "4349947"   "4579286"   "4753819"   "4954059"   "5017409"   "5462199"   "5747102"   "6036106"   "6060125").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/13 12:29
S69	4	S65 and coat\$3 and (viscous near3 material) and (substrate) and ((nonperpendicular or angled or oblique or diagonal) and (nozzle or jet or spray or (jetting near3 valve)))	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/13 12:40
S70	0	("2005/0095365").URPN.	USPAT	OR	ON	2007/04/13 12:41
S71	6496	(coat\$3) same (nozzle jet) same (non\$1perpendicular angle\$1)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/17 07:21
S72	1437	(coat\$3) same (nozzle jet) same (non\$1perpendicular angle\$1) same (viscous fluid)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/17 07:22
S73	180	(coat\$3) same (nozzle jet) same (non\$1perpendicular angle\$1) same (viscous fluid) same (drop\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/17 13:07
S74	2	("2967112").URPN.	USPAT	OR	ON	2007/04/17 07:35

## EAST Search History

S75	1	09/125128	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/17 07:55
S76	5292311	oil base carrier metal deposition	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/17 13:06
S77	935138	(oil base) same (carrier metal deposition)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/17 13:07
S78	47	(coat\$3) same (nozzle jet) same (non\$1perpendicular angle\$1) same (viscous fluid) same (drop\$3)same (oil base carrier)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/17 13:19
S79	0	(coat\$3) same (nozzle jet) same (non\$1perpendicular angle\$1) same (viscous fluid) same (drop\$3)same (oil base carrier)same (semiconductor)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/17 13:20
S80	0	(coat\$3) same (nozzle jet) same (non\$1perpendicular) same (viscous fluid) same (drop\$3) same (oil base carrier)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/17 13:21
S81	0	(coat\$3) same (nozzle jet) same (non\$1perpendicular) same (viscous fluid) same (drop\$3) same (oil base carrier and semiconductor deposition)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/17 13:21
S82	1	(coat\$3) same (nozzle jet) same (non\$1perpendicular) same (viscous fluid) same (drop\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/17 13:22
S83	26071	(metal\$1 deposition) same (semiconductor) same (glass)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/17 13:43
S84	122069	(metal\$1 deposition) same (semiconductor) same (glass or substrate)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/17 13:58
S85	66	(metal\$1 deposition) same (spraying) same (semiconductor) same (glass) same (silver or base)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/17 13:53
S86	0	(metal\$1 deposition) same (spraying) same (semiconductor) same (glass) same (non\$1perpendicular angled)same (viscous fluid)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/17 13:55
S87	0	(metal\$1 deposition) same (spraying) same (semiconductor) same (glass) same (non\$1perpendicular)same (viscous fluid) same (118/321)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/17 13:56

## EAST Search History

S88	0	(metal\$1 deposition) same (spraying jetting dropping) same (semiconductor) same (glass) same (non\$1perpendicular) same (viscous fluid) same (118/321)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/17 13:56
S89	617824	(metal\$1 deposition) same (glass or substrate)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/17 13:58
S90	21217	(metal\$1 deposition) same (glass or substrate) and (non\$1perpendicular angled)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/17 13:59
S91	1	("5540774").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/18 07:25
S92	216	(ink-jet\$4 or inkjet\$4 or ((ink or fluid) adj jet\$4)) with (angle or oblique or nonperpendicular) with substrate	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/18 12:27
S93	1	("4844004").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/18 08:07
S94	1	("5024709").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/18 08:07
S95	60	"347" and (ink-jet\$4 or inkjet\$4 or ((ink or fluid) adj jet\$4)) with (angle or oblique or nonperpendicular) with substrate	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/18 08:39
S96	2	("0000347").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/18 08:37
S97	25915	(ink same viscosity)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/18 08:39
S98	84	S92 and S97	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/18 08:54
S99	0	"347".cccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/18 08:55
S100	46883	"347".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/18 08:55
S101	120	S100 and S92	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/18 09:08

## EAST Search History

S10 2	0	(130/131,336,337).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/18 09:09
S10 3	160	(401/29).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/18 09:36
S10 4	180	(coat\$3) same (nozzle jet) same (non\$1perpendicular angle\$1) same (viscous fluid) same (drop\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/18 09:37
S10 5	0	S104 and S92	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/18 09:37
S10 6	458	(ink-jet\$4 or inkjet\$4 or ((ink or fluid) adj jet\$4))same (angle or oblique or nonperpendicular) with substrate	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/18 12:29
S10 7	6021	(ink-jet\$4 or inkjet\$4 or ((ink or fluid) adj jet\$4))same (angle or oblique or nonperpendicular)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/18 12:28

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	129791	polyolefin	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 13:11
S2	76356	S1 and (extrud\$3 or mold\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 13:12
S3	4150	S2 and (repell\$4 or repulsion or phobic\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 13:13
S4	3810	S3 and temperature	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 13:13
S5	4064	S3 and (temperature or heat\$4 or cool\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 13:14
S6	2635	S5 and ester	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 13:15
S7	1753	S6 and (fluorocarbon or hydrocarbon)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 13:15
S9	495	S7 and (fluorocarbon or fluorinate or (fluorochemical))	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 13:19
S10	495	S9 and (print\$4 or textile or fabric or material or woven or nonwoven)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 13:21
S11	218	S9 and (print\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 13:21
S12	132	S11 and (fabric or textile)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 13:25
S13	1	("4454191").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/02 16:10
S14	1	("4370365").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/02 16:11
S15	6878252	method for temporarily suppressing the repellency of molded object.bi.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/03 10:02
S16	5126003	S15 and (extruded objects)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/03 10:05



## EAST Search History

S17	4517642	method for temporarily suppressing repellency	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/03 11:12
S18	156694	suppressing repellency	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/03 10:12
S19	6413	S18 and polyolefins	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/03 10:13
S20	146	S19 and fluorocarbon and hydrocarbon with ester	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/03 10:14
S21	1	("5898046").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/03 11:12
S22	1	("5348785").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/03 11:24
S23	0	time and delay and repellency	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/03 11:25
S24	5197178	time delay and repellency	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/03 11:26
S25	267043	S24 and fabric	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/03 12:38
S26	350	(temporar\$8) with (recept\$8 or promot\$8 or adher\$8) same (heat\$3 and cool\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/03 13:16
S27	27	(temporar\$8) with (recept\$8 or promot\$8 or adher\$8) same (heat\$3 and cool\$3)and (hydrophil\$8 or hydrophob\$8 or lipophil\$8 or lipophob\$8 or oleophil\$8 or oleophob\$8)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/03 13:19
S28	1	("5853814").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/10 07:38
S29	1	("5558916").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/10 07:42
S30	1	("5908663").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/10 07:57
S31	30025	(high ink bind\$6) and (hygroscopic)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/10 07:58

## EAST Search History

S32	103	S31 and (superior permeability) and (adsorbs\$6)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/10 08:02
S33	20	S31 and (superior permeability) and (adsorbs\$6) and (temporarily suppressing repellency)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/10 08:10
S34	194008	(removing repellency) and fiber	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/10 08:11
S35	1291400	(removing repellency and method thereof)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/10 08:11
S36	1617101	(temporarily removing repellency and method thereof)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/10 08:12
S37	4412703	(temporarily removing repellency and method thereof) and fiber material	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/10 08:13
S38	2086378	(temporarily removing repellency by heat and cool)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/10 08:15
S39	292418	(temporarily removing repellency by heat and cool) and fiber	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/10 08:15
S40	41534	(temporarily removing repellency by heat and cool) and fiber and (ink printing)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/10 08:19
S42	180871	(temporarily removing repellency by heat and cool) and fiber and (improved adhesion to ink printing)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/10 08:19

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	5	((264/132.ccls.) and ((264/234.ccls.) or (264/211.2.ccls)))	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/27 14:11
S3	257	S1 and (ester)(hydrocarbon and fluorocarbon)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/27 10:47
S4	131	S3 and (heat\$4 and cool\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/27 09:24
S5	1	S1 and (polyolefin)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/27 10:48
S6	1	("3646153").PN.	USPAT	OR	OFF	2007/03/27 10:53
S7	1	("3955027").PN.	USPAT	OR	OFF	2007/03/27 10:55
S8	1	("5178931").PN.	USPAT	OR	OFF	2007/03/27 10:57
S9	1	("5178932").PN.	USPAT	OR	OFF	2007/03/27 10:59
S10	1	("5459188").PN.	USPAT	OR	OFF	2007/03/27 11:01
S11	1	("5898046").PN.	USPAT	OR	OFF	2007/03/27 11:02
S12	1	("5798402").PN.	USPAT	OR	OFF	2007/03/27 13:21
S15	26	S4 and (polyolefin\$4) and S3	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/27 13:42
S16	131	S4 and S3	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/27 13:58
S17	5234829	(suppress\$3) and (repel\$4) or (molded object)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/27 14:01
S18	8857	(suppress\$3) and (repel\$4) or (molded object) and (427/314,316,372.2,398.1)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/27 14:06
S19	193707	(suppress\$3) and (water repel\$4) or (molded object) and (427/314,316,372.2,398.1)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/27 14:05
S20	8857	(suppress\$3) and (repel\$4) or (molded object) and (264/234,132,211.2)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/27 14:07
S21	74698	(suppress\$3) and (repel\$4) or (molded object) and (extruded\$4 and heating\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/27 14:09
S22	47076	(suppress\$3) and (repel\$4) or (polyolefin or hydrocarbon) and (extruded\$4 and heating\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/27 14:10

## EAST Search History

S23	576760	(suppress\$3) and (repel\$4) or (polyolefin or hydrocarbon or polymer) and (extruded\$4 and heating\$4 or cool\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/27 14:10
S24	5	((264/132.ccls.) and ((264/234.ccls.) or (264/211.2.ccls)))	USPAT	OR	ON	2007/03/27 14:11
S25	35710	(molded near3 fluoro\$3 near carbon or hydrocarbon and ester and polyolefin)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/28 11:05
S26	4155	S25 and (textile)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/28 11:48
S27	6	(textile and polyolefin and fluorocarbon and hydrocarbon)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/28 11:55
S28	41	(polyolefin and fluorocarbon and hydrocarbon and ester)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/28 12:12
S29	25	(polyolefin and fluorocarbon and hydrocarbon and ester) and substrate	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/28 12:55
S30	25	(polyolefin and fluorocarbon and hydrocarbon and ester) and substrate	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/28 12:17
S31	1561259	Extruded or molded polyolefin polymer and fluorocarbon or hydrocarbon ester	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/28 12:57
S32	462397	(Extruded or molded) and (polyolefin polymer) or (fluorocarbon or hydrocarbon) and ester	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/28 12:58
S33	5341239	(Extruded or molded compound) and (polyolefin polymer) or (fluorocarbon or hydrocarbon) and ester in fiber or textile	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/28 13:00
S34	356686	(polyolefin polymer) and (fluorochemical ester)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/28 13:02
S35	406260	(polyolefin polymer) and (fluorochemical ester) and textile or nonowen fabric	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/28 13:03
S36	471464	repel\$3 and (polyolefin polymer) and (fluorochemical ester) or textile or nonowen fabric	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/28 13:03
S37	477310	repel\$3 and (polyolefin polymer) or textile or nonowen fabric	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/28 13:04

## EAST Search History

S38	392269	repel\$4 and (fluorochemical) and textile or nonowen fabric	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/28 13:04
S39	861	repel\$4 and (fluorochemical) and textile	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/28 14:29
S40	1748	(264/211.2,234,132).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/28 14:30
S45	8098	(polyolefin or polyethylene or polypropelene)same(fluorochemical or fluorocarbon)or(perfluoro\$8orperfluoro\$10)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/28 14:36
S46	8098	(polyolefin or polyethylene or polypropelene)same(fluorochemical or fluorocarbon)or(perfluoro\$8orperfluoro\$10) same (mold\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/28 14:38
S47	11014	(polyolefin or polyethylene or polypropylene)same(fluorochemical or fluorocarbon)or(perfluoro\$8 or perfluoro\$10) same (mold\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/28 14:39
S48	8448	(polyolefin or polyethylene or polypropylene)same(fluorochemical or fluorocarbon)or(perfluoro\$8 or perfluoro\$10) same (mold\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/28 14:39
S49	8448	(polyolefin or polyethylene or polypropylene)same(fluorochemical or fluorocarbon) or (perfluoro\$8 or perfluoro\$10) same (mold\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/28 14:41
S50	742	(polyolefin or polyethylene or polypropylene) same (fluorochemical or fluorocarbon or ((perfluoro\$8 or fluoro\$8) adj stearate) or perfluoro\$10) same (mold\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/28 14:46
S51	38	S50 and (repel\$8) and (heat\$3 same cool\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/29 13:35
S52	1	("5178931").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/29 13:06
S53	1	("5178932").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/29 13:07
S54	7	"51" and nonowoven	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/29 13:36

## EAST Search History

S55	742	(polyolefin or polyethylene or polypropylene) same (fluorochemical or fluorocarbon or ((perfluoro\$8 or fluoro\$8) adj stearate) or perfluoro\$10) same (mold\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/29 13:36
S56	38	S55 and (repel\$8) and (heat\$3 same cool\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/29 13:36
S57	0	S56 and nonowoven	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/29 13:38
S58	0	S55 and nonowoven	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/29 13:38
S59	0	S55 and nonowoven	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/29 13:39
S60	44	S55 and (nonowoven or textile)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/29 14:08
S61	13	S55 and (repel\$10 or \$10proof) and (temporar\$5)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/29 14:14
S62	138	S55 and ("264"/\$).ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/29 14:45
S63	5073511	ink application	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/29 14:46
S64	80533	(ink applicat\$4) and (surface modif\$5) and textile	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/29 14:48
S65	422155	(ink applicat\$4) and (surface modif\$5) and (textile or nonowen fiber)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/29 14:49
S66	237705	(ink applicat\$3) and (surface modif\$3) and (textile or nonowen fabric)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/29 14:50
S67	92	S55 and (ink applicat\$3) and (surface modif\$3) and (textile or nonowen fabric)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/29 15:14
S68	102	S55 and (ink applicat\$3) and (surface modif\$3) and (textile or nonowen fabric)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/29 15:14

## EAST Search History

S69	5349055	(molded compound) and (polyolefin polymer) or (fluorocarbon or hydrocarbon) and ester in (fiber or textile)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/04 07:20
S70	1731	(264/345,346).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/04 14:25
S71	2084	(264/234,237,348).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/04 14:26